n-Ge:As p-Ge substrate

Fig. 1 (Prior Art)

Dual Junction Cell					Bottom Germanium (Ge)	
n+/ p InGaP <sub>2</sub> Top Cell	p++/n++ Tunnel Junction	n+/ p GaAs Middle Cell	p++/n++ Tunnel Junction	n+ GaAs Buffer	n+ InGaP Nucleation Layer	Shallow n+/p Ge Diffused Junction

Fig. 2

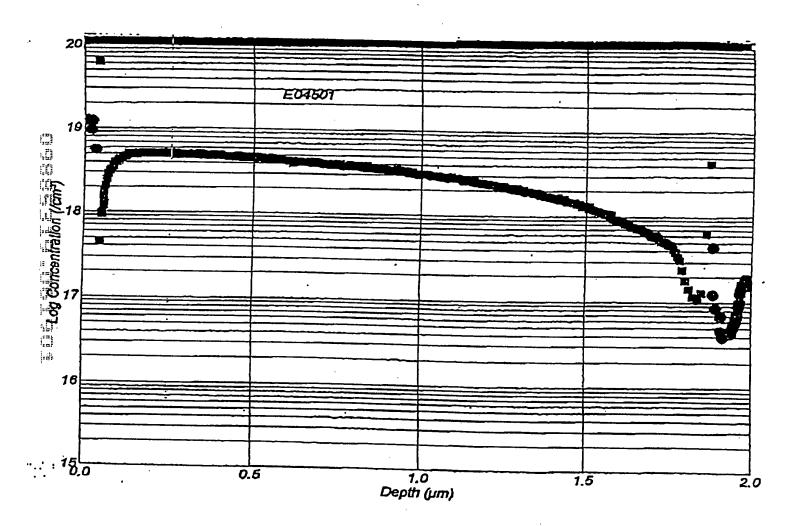


Fig. 3

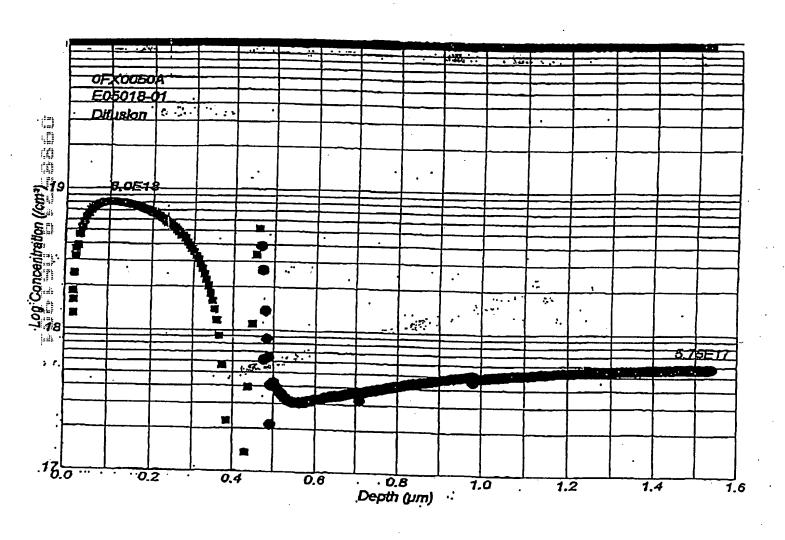


Fig. 4

to motion to to

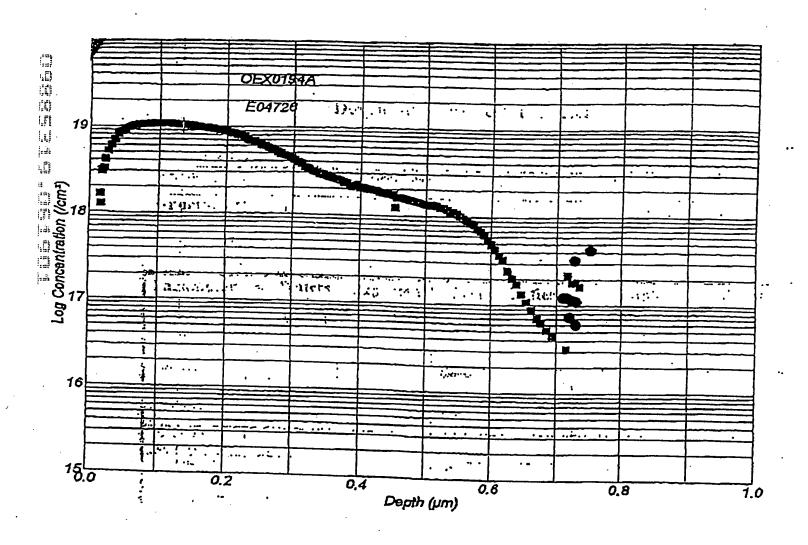


Fig. 5

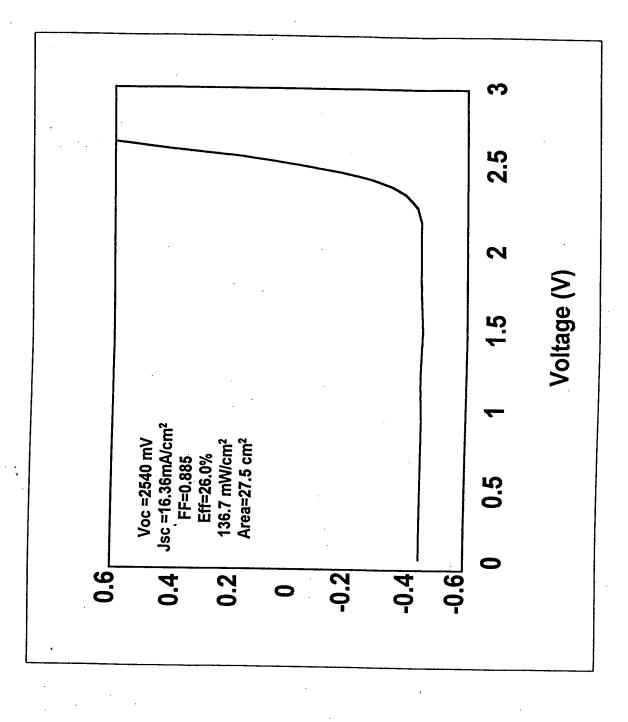


Fig. 6

Current (